INDEX

Acid-base regulation, 448
ACTH, review of studies, 143; secretion of and neural control, 212
Adenosine triphosphatase in kidneys of fresh and salt-water fish, 388
Adrenalectomy, 208
Adrenal steroids and lymphopenia, 120
Ammonia, distribution between plasma and erythrocytes in blood, 33
Androgen and sexual dimorphism, 446
Antigen and immunologic tolerance in lymphoid organs, 13 and synovial inflammation, 273
Arthritis and drugs, 273
Atkins, E.: (see Bodel, P. T.)

Bacteria
and endogenous pyrogens, 376
isolation methods in stool of man, 50
microcolonies of staphylococci, 394
pneumococcal pneumonia, 282
Proteus infections, 434
staphylococci and diethylstilbestrol, 311, 323
staphylococci and divalent cations, 303
staphylococci and lysostaphin, 62
Baman, S. I.: (see Yotis, W. W.)
Bermudez, G. A.: (see van Slyck, E. J.)
Blood ammonia levels and distribution of ammonia, 33
Bodel, P. T., Wechsler, A., and Atkins, E.: Comparison of endogenous pyrogens from human and rabbit leucocytes utilizing sephadex filtration, 376
Book reviews
Albert, A.: Selective toxicity, 4th edition, 410
Beament, J. W. L. and Treherne, J. E.: Insects and physiology, 293
Behrman, S. J. and Kistner, R. W., eds. Progress in infertility, 356
Bennett, J. C., ed.: Vistas in connective tissue diseases, 409
Bergstrom, S. and Samuelsson, B., eds.: Prostaglandins, 80
Boughey, A. S.: Ecology of populations, 359
Braunwald, E., Ross, J., Jr., and Sonnenblick, E. H.: Mechanisms of contraction of the normal and failing heart, 360
Clemente, C. D. and Lindsley, D. B., eds.: Aggression and defense, Vol. V, Brain function, 89
Cohen, S. S.: Virus-induced enzymes, 412
Curtis, A. S. G.: The cell surface: Its molecular role in morphogenesis, 81
Davis, B. D., Dulbecco, R., Eisen, H. N., Ginsberg, H. S., and Wood W. B., Jr.: Principles of microbiology and immunology, 290
de Reuck, A. V. S. and Knight, J., eds.: Hearing mechanisms in vertebrates, 408
Dodge, J. D.: An atlas of biological ultrastructure, 471
Duff, R. S. and Hollingshead, A. B.: Sickness and society, 226
Emery, A. E. H.: Heredity, disease, and man: Genetics in medicine, 90
Feinstein, A. R.: Clinical judgment, 79
Foster, W. B., Hellman, I. L., Hesford, D., and McPherson, D. G.: Physical standards in World War II, 85
Fraser, G. R. and Friedmann, A. I.: The causes of blindness in children, 83
Geddes, L. A. and Baker, L. E.: Principles of applied biomedical instrumentation, 357
Goerke, L. S. and Stebbins, E. L.: Mustard's introduction to public health, 5th edition, 407
Gordon, M., ed.: Psychopharmacological agents, 88
Hollingsworth, J. W.: Local and systemic complications of rheumatoid arthritis, 404
James, V. H. T. and Landon, J., eds.: The investigation of hypothalamic-pituitary-adrenal function, 295
Jasmin, G., ed:: Endocrine aspects of disease processes, 360
Kabat, E. A.: Structural concepts in immunology and immunochemistry, 289
Kennedy, D.: Scientific American reprints, 91
Killander, J., ed.: Gamma globulins: Structure and control of biosynthesis, 80
Lanham, U.: Origins of modern biology, 291
Latner, A. L. and Skillen, A. W.: Isoenzymes in biology and medicine, 405
Leighton, J.: The spread of cancer, 86
Light, R. J.: A brief introduction to biochemistry, 292
Lilienfeld, A. M., Pedersen, E., and Dowd, J.: Cancer epidemiology: Methods of study, 84
Lindegren, C. C.: The cold war in biology, 290
Lippold, O.: Human respiration: A programmed course, 411
Masaro, E. J.: Physiological chemistry of lipids in mammals, 468
Mead, M., Dobzhansky, T., Tobach, E., Light, R. E., eds.: Science and the concept of race 355
Mellon, DeF., Jr.: The physiology of sense organs, 470
Milne, L. J. and Milne, M.: The ages of life, 297
Moscona, A. A. and Monroy, A.: Current topics in developmental biology, Vol. II, 87
Napier, J. R. and Napier, P. H.: A handbook of living primates, 86
Patten, B. M.: Human embryology, 358
Porter, R. and O'Connor, M., eds.: Cystic fibrosis, 408
Roodyn, D. B. and Wilkie, D.: The biogenesis of mitochondria, 289
Rosen, L.: Virology monographs: Reoviruses, 353
Selye, H.: Anaphylactoid edema, 404
Senior, J. R., ed.: Medium chain triglycerides, 91
Senn, M. E. and Solnit, A. J.: Problems in child behavior and development, 352
Smith, L. and Holdeman, L. V.: The pathogenic anaerobic bacteria, 469
Smythies, J. R., Coppen, A., and Kreitman, N.: Biological psychiatry, 471
Tanz, R. D., Kavaler, F., and Roberts, J., eds.: Factors influencing myocardial contractility, 294
Weinman, D. and Ristic, M., eds.: Infectious blood diseases of man and animals, 354
Weiss, L.: The cell periphery, metastasis, and other contact phenomena, 81
Wenner, H. A. and Behbehani, A. M.: Virology monographs: Echoviruses, 353
Wolstenholme, G. E. W. and Knight, J., eds.: The Balkan nephropathy, 88

INDEX

Acid-base regulation, 448
ACTH, review of studies, 143; secretion of and neural control, 212
Adenosine triphosphatase in kidneys of fresh and salt-water fish, 388
Adrenalectomy, 208
Adrenal steroids and lymphopenia, 120
Ammonia, distribution between plasma and erythrocytes in blood, 33
Androgen and sexual dimorphism, 446
Antigen and immunologic tolerance in lymphoid organs, 13 and synovial inflammation, 273
Arthritis and drugs, 273
Atkins, E.: (see Bodel, P. T.)

Bacteria
and endogenous pyrogens, 376
isolation methods in stool of man, 50
microcolonies of staphylococci, 394
pneumococcal pneumonia, 282
Proteus infections, 434
staphylococci and diethylstilbestrol, 311, 323
staphylococci and divalent cations, 303
staphylococci and lysostaphin, 62
Baman, S. I.: (see Yotis, W. W.)
Bermudez, G. A.: (see van Slyck, E. J.)
Blood ammonia levels and distribution of ammonia, 33
Bodel, P. T., Wechsler, A., and Atkins, E.: Comparison of endogenous pyrogens from human and rabbit leucocytes utilizing sephadex filtration, 376
Book reviews
Albert, A.: Selective toxicity, 4th edition, 410
Beament, J. W. L. and Treherne, J. E.: Insects and physiology, 293
Behrman, S. J. and Kistner, R. W., eds. Progress in infertility, 356
Bennett, J. C., ed.: Vistas in connective tissue diseases, 409
Bergstrom, S. and Samuelsson, B., eds.: Prostaglandins, 80
Boughey, A. S.: Ecology of populations, 359
Braunwald, E., Ross, J., Jr., and Sonnenblick, E. H.: Mechanisms of contraction of the normal and failing heart, 360
Clemente, C. D. and Lindsley, D. B., eds.: Aggression and defense, Vol. V, Brain function, 89
Cohen, S. S.: Virus-induced enzymes, 412
Curtis, A. S. G.: The cell surface: Its molecular role in morphogenesis, 81
Davis, B. D., Dulbecco, R., Eisen, H. N., Ginsberg, H. S., and Wood W. B., Jr.: Principles of microbiology and immunology, 290
de Reuck, A. V. S. and Knight, J., eds.: Hearing mechanisms in vertebrates, 408
Dodge, J. D.: An atlas of biological ultrastructure, 471
Duff, R. S. and Hollingshead, A. B.: Sickness and society, 226
Emery, A. E. H.: Heredity, disease, and man: Genetics in medicine, 90
Feinstein, A. R.: Clinical judgment, 79
Foster, W. B., Hellman, I. L., Hesford, D., and McPherson, D. G.: Physical standards in World War II, 85
Fraser, G. R. and Friedmann, A. I.: The causes of blindness in children, 83
Geddes, L. A. and Baker, L. E.: Principles of applied biomedical instrumentation, 357
Goerke, L. S. and Stebbins, E. L.: Mustard's introduction to public health, 5th edition, 407
Gordon, M., ed.: Psychopharmacological agents, 88
Hollingsworth, J. W.: Local and systemic complications of rheumatoid arthritis, 404
James, V. H. T. and Landon, J., eds.: The investigation of hypothalamic-pituitary-adrenal function, 295
Jasmin, G., ed:: Endocrine aspects of disease processes, 360
Kabat, E. A.: Structural concepts in immunology and immunochemistry, 289
Kennedy, D.: Scientific American reprints, 91
Killander, J., ed.: Gamma globulins: Structure and control of biosynthesis, 80
Lanham, U.: Origins of modern biology, 291
Latner, A. L. and Skillen, A. W.: Isoenzymes in biology and medicine, 405
Leighton, J.: The spread of cancer, 86
Light, R. J.: A brief introduction to biochemistry, 292
Lilienfeld, A. M., Pedersen, E., and Dowd, J.: Cancer epidemiology: Methods of study, 84
Lindegren, C. C.: The cold war in biology, 290
Lippold, O.: Human respiration: A programmed course, 411
Masaro, E. J.: Physiological chemistry of lipids in mammals, 468
Mead, M., Dobzhansky, T., Tobach, E., Light, R. E., eds.: Science and the concept of race 355
Mellon, DeF., Jr.: The physiology of sense organs, 470
Milne, L. J. and Milne, M.: The ages of life, 297
Moscona, A. A. and Monroy, A.: Current topics in developmental biology, Vol. II, 87
Napier, J. R. and Napier, P. H.: A handbook of living primates, 86
Patten, B. M.: Human embryology, 358
Porter, R. and O'Connor, M., eds.: Cystic fibrosis, 408
Roodyn, D. B. and Wilkie, D.: The biogenesis of mitochondria, 289
Rosen, L.: Virology monographs: Reoviruses, 353
Selye, H.: Anaphylactoid edema, 404
Senior, J. R., ed.: Medium chain triglycerides, 91
Senn, M. E. and Solnit, A. J.: Problems in child behavior and development, 352
Smith, L. and Holdeman, L. V.: The pathogenic anaerobic bacteria, 469
Smythies, J. R., Coppen, A., and Kreitman, N.: Biological psychiatry, 471
Tanz, R. D., Kavaler, F., and Roberts, J., eds.: Factors influencing myocardial contractility, 294
Weinman, D. and Ristic, M., eds.: Infectious blood diseases of man and animals, 354
Weiss, L.: The cell periphery, metastasis, and other contact phenomena, 81
Wenner, H. A. and Behbehani, A. M.: Virology monographs: Echoviruses, 353
Wolstenholme, G. E. W. and Knight, J., eds.: The Balkan nephropathy, 88

Wolstenholme, G. E. W. and O'Connor, M., eds.: Interferon, 354
Young, S. and Inman, D. R., eds.: Thyroid neoplasia, 468
Brobeck, J. R.: (see Mu, J. Y.)
Brodish, A.: A review of neuroendocrinology, 1966-67, 143
Brodish, A.: (see Upton, G. V.)
Bromberg, P. A.: (see Robin, E. D.)
Bryant, R. E.: The effect of divalent cation depletion on phagocytosis of staphylococci, 303

Cancer, estimating rate of growth, 422
Chaudhuri, T. K.: (see Spencer, R. P.)
Chloraquine phosphate and synovial inflammation, 273
Conn, H. O.: Studies on the source and significance of blood ammonia. III. Effects of altering blood ammonia concentration and hematocrit on the distribution of ammonia, 33
Corticosteroids and synovial inflammation, 273
Crelin, E. S.: (see Southwick, F. S.)
Cross, C. E.: (see Robin, E. D.)

Diethylstilbestrol, 311, 323
Divalent cations and staphylococci, 303
Dixon, R. E., Goodman, J. S. and Koenig, M. G.: Lysostaphin: an enzymatic approach to staphylococcal disease. III. Combined lysostaphin-methicillin therapy of established staphylococcal abscesses in mice, 62
Dvorkin, B.: (see Nakagawa, S.)

Eczema and smallpox vaccination, 1
Endogenous pyrogen and sephadex filtration, 376
Enzyme
ATPase in kidneys of fresh and salt-water fish, 388
lysostaphin and staphylococci, 62
response to steroids, 120
and zymogens, 340
Epstein, F. H., Manitius, A., Weinstein, E., Katz, A. I., and Pickford, G. E.: Sodium- and potassium-activated adenosine triphosphatase in kidneys of **Fundulus heteroclitus** adapted to fresh and salt water, 388
Epstein, F. H.: (see Hayslett, J. P.)

Fecal bacteria, 50
Feinstein, A. R.: A clinical method for estimating the rate of growth of a cancer, 422
Fekety, F. R., Jr. and McDaniel, E.: The fever index in evaluation of the course of infectious diseases, with special reference to pneumococcal pneumonia, 282
Fever index in pneumonia, 282
Fever-producing substances, 376
Floch, H. M., Gershengoren, W. and Freedman, L. R.: Methods for the quantitative study of the aerobic and anaerobic intestinal bacterial flora of man, 50
Freedman, L. R.: (see Floch, M. H.)
Furunculosis and diethylstilbestrol, 323

Gallstones, experimental, 107
Gershengoren, W.: (see Floch, M. H.)
Gery, I.: (see Horiuchi, A.)
Gonadotrophin, review of studies, 143
Goodman, J. S.: (see Dixon, R. E.)
Groundnuts, relation to incidence of hepatoma, 69
Growth hormone
canine, isolation of, 199
review of studies, 143
G-variants of microcolonies of staphylococci, 394

Hamilton, C. L.: (see Mu, J. Y.)
Hayslett, J. P., Weinstein, E., Kashgarian, M., and Epstein, F. H.: Attempts to demonstrate a hormonal natriuretic factor by micropuncture techniques, 415
Hepatoma and relation to groundnuts, 69
Hollingsworth, J. W. and Wepsic, H. T.: Effects of drugs on different types of synovial inflammation in the rabbit, 237
Horiuchi, A., Gery, I., and Waksman, B. H.: Role of the thymus in tolerance. VII. Distribution of nonaggregated and heat-aggregated bovine gamma globulin in lymphoid organs of normal newborn and adult rats, 13
Hormones
diethylstilbestrol and staphylococci, 311, 323
review of studies, 143
Howard, J. E.: Hypertension due to ischemia of one kidney: A survey of twenty years' experience, 363
Hyperphagia, 133
Hypothalamus and body fat, 133
and pituitary morphological relationships, 143
and pituitary vascularity, 212

Immunologic tolerance and lymphoid organs, 13
Infection
endogenous pyrogen, 376
and intestinal bacteria, 50
microcolonies of staphylococci, 394
pneumococcal pneumonia and fever index, 282
by **Proteus,** 434
staphylococci and diethylstilbestrol, 311, 323
staphylococci and divalent cations, 303
staphylococci and lysostaphin, 62
Inflammation, synovial, and drugs, 273
Ischemia, renal and hypertension, 363

Kashgarian, M.: (see Hayslett, J. P.)
Katz, A. I.: (see Epstein, F. H.)
Kempe, C. H.: Smallpox vaccination of eczema patients with attenuated live vaccinia virus, 1
Kidney function, 415
Kidneys
ATPase in fresh and salt-water fish, 388
ischemia and hypertension, 363
Koenig, M. G.: (see Dixon, R. E.)
Korobkin, M. and Williams, E. H.: Hepatoma and groundnuts in the West Nile district of Uganda, 69

Lipids, removal from cornea, 257, 268
Long, C. N. H.: Festschrift, 95-225
Lukens, F. D. W.: Adrenalectomy and pancreatectomy-30 years after, 208
Lymphoid organs and immunologic tolerance, 13
and steroids, 120
Lysostaphin therapy in staphylococcal disease, 62

McDaniel, E.: (see Fekety, F. R., Jr.)

Manitius, A.: (see Epstein, F. H.)
Methicillin-lysostaphin therapy in staphylococcial disease, 62
Micropuncture, 415
Milstone, J. H.: Systems of zymogen activation, 340
Mu, J. Y., Yin, T. H., Hamilton, C. L., and Brobeck, J. R.: Variability to body fat in hyperphagic rats, 133

Nakagawa, S., Dvorkin, B., and White, A.: Response of some hydrolases in thymus and lymphosarcoma of rats to injection of adrenal steroid hormones, 120
Natriuretic hormone, 415
Neonatal endocrine alterations, review of studies, 143
Nephritis, induced by radiation, 243
Neurohypophysical hormones, 143

Pancreatectomy, 208
Phagocytosis and divalent cation depletion, 303
Phenylbutazone and synovial inflammation, 273
Pickford, G. E.: (see Epstein, F. H.)
Pituitary vascularity and ACTH, 212
Pneumococcal pneumonia and fever index, 282
Proteus infections, 434
Pyrogen, endogenous and sephadex filtration, 376

Quie, P. G.: Microcolonies (G-variants) of **Staphylococcus aureus,** 394

Radiation nephritis, 243
Radioisotopes and spleen size, 333
Renal ischemia and hypertension, 363
Robin, E. D., Bromberg, P. A., Cross, C. E.: Some aspects of the evolution of vertebrate acid-base regulation, 448

Sephadex filtration and pyrogens, 376
Serum lipoproteins in cornea, 257
Sexual dimorphism and androgen, 446
Smallpox vaccination of eczema patients, 1
Sodium excretion, 415
Sodium salicylate and synovial inflammation, 273
Southwick, F. S. and Crelin, E. S.: The development of sexual dimorphism in transplanted mouse pelves, 446
Spector, H.: (see von Graevenitz, A.)
Spencer, R. P. and Chaudhuri, T. K.: Quantitative estimates of changes in splenic size during life, 333
Spleen size, 333
Staphylococci
and diethylstilbestrol, 311, 323
and divalent cation depletion, 303
and endogenous pyrogen, 376
and lysostaphin, 62
microcolonies, 394
Steroids, response by enzymes, 120

Tepperman, J. and Weiner, M.: Experimental gallstones: An adventure in biological geology, 107
Thymus and immunologic tolerance, 13
and hydrolase activity, 120
Thyrotrophin, review of studies, 143
Transport of sodium and potassium by kidneys of fish, 388

Upton, G. V. and Brodish, A.: Pituitary vascularity and ACTH release in rats with hypothalamic lesions, 212

van Slyck, E. J. and Bermudez, G. A.: Radiation nephritis, 243
von Graevenitz, A. and Spector, H.: Observations on indol-positive proteus, 434

Waksman, B. H.: (see Horiuchi, A.)
Waters, L. L.: Removal of serum lipoproteins from the cornea in vivo, 257
Waters, L. L.: The effect of heparin clearing on the removal of chylomicron lipids from the living cornea, 268
Wechsler, A.: (see Bodel, P. T.)
Weiner, M.: (see Tepperman, J.)
Weinstein, E.: (see Epstein, F. H.)
Weinstein, E.: (see Hayslett, J. P.)
Wepsic, H. T.: (see Hollingsworth, J. W.)
White, A.: (see Nakagawa, S.)
Wilhelmi, A. E.: Canine growth hormone, 199
Williams, E. H.: (see Korobkin, M.)

Yin, T. H.: (see Mu, J. Y.)
Yotis, W. W. and Baman, S. I.: An evaluation of diethylstibestrol as an inhibitor of the growth of staphylococci, 311
Yotis, W. W. and Baman, A. I.: Diethylstilbestrol: A suppressor of induced furunculosis in rabbits, 323

Zymogen activation, 340

The Yale Journal of Biology & Medicine

VOLUME XXXXI

1968-1969

NEW HAVEN, CONNECTICUT

CONTENTS

AUGUST

1 **SMALLPOX VACCINATION OF ECZEMA PATIENTS WITH ATTENUATED LIVE VACCINIA VIRUS** *C. Henry Kempe*

13 **ROLE OF THE THYMUS IN TOLERANCE. VII. DISTRIBUTION OF NONAGGREGATED AND HEAT-AGGREGATED BOVINE GAMMA GLOBULIN IN LYMPHOID ORGANS OF NORMAL NEWBORN AND ADULT RATS** *Atsuchi Horiuchi, Igal Gery, and Byron H. Waksman*

33 **STUDIES ON THE SOURCE AND SIGNIFICANCE OF BLOOD AMMONIA. III. EFFECTS OF ALTERING BLOOD AMMONIA CONCENTRATION AND HEMATOCRIT ON THE DISTRIBUTION OF AMMONIA** *Harold O. Conn*

50 **METHODS FOR THE QUANTITATIVE STUDY OF THE AEROBIC AND ANAEROBIC INTESTINAL BACTERIAL FLORA OF MAN** *Martin H. Floch, William Gershengoren, and Lawrence R. Freedman*

62 **LYSOSTAPHIN: AN ENZYMATIC APPROACH TO STAPHYLOCOCCAL DISEASE. III. COMBINED LYSOSTAPHIN-METHICILLIN THERAPY OF ESTABLISHED STAPHYLOCOCCAL ABSCESSES IN MICE** *Richard E. Dixon, Jay S. Goodman, and M. Glenn Koenig*

69 **HEPATOMA AND GROUNDNUTS IN THE WEST NILE DISTRICT OF UGANDA** *Melvyn Korobkin and E. H. Williams*

79 **BOOK REVIEWS**

OCTOBER

THE C. N. H. LONG ISSUE

Guest Editor—Philip K. Bondy

95 **FOREWORD** *Philip K. Bondy*

99 **PUBLICATIONS OF CYRIL NORMAN HUGH LONG**

107 **EXPERIMENTAL GALLSTONES: AN ADVENTURE IN BIOLOGICAL GEOLOGY** *Jay Tepperman and Michael Weiner*

120 **RESPONSE OF SOME HYDROLASES IN THYMUS AND LYMPHOSARCOMA OF RATS TO INJECTION OF ADRENAL STEROID HORMONES** *Sachiko Nakagawa, Bernyce Dvorkin, and Abraham White*

133 **VARIABILITY OF BODY FAT IN HYPERPHAGIC RATS** *J. Y. Mu, T. H. Yin, Charles L. Hamilton, and John R. Brobeck*

143 **A REVIEW OF NEUROENDOCRINOLOGY, 1966-67** *Alvin Brodish*

199 **CANINE GROWTH HORMONE** *Alfred E. Wilhelmi*

208 **ADRENALECTOMY AND PANCREATECTOMY—30 YEARS AFTER** *Francis D. W. Lukens*

212 **PITUITARY VASCULARITY AND ACTH RELEASE IN RATS WITH HYPOTHALAMIC LESIONS** *G. Virginia Upton and Alvin Brodish*

226 **SPECIAL BOOK REVIEW** *of Sickness and Society* by Raymond S. Duff and August B. Hollingshead. *Reviewed by Paul B. Beeson*

CONTENTS

DECEMBER

243 **RADIATION NEPHRITIS** *Ellis J. Van Slyck and Gustavo A. Bermudez*

257 **REMOVAL OF SERUM LIPOPROTEINS FROM THE CORNEA IN VIVO** *Levin L. Waters*

268 **THE EFFECT OF HEPARIN CLEARING ON THE REMOVAL OF CHYLOMICRON LIPIDS FROM THE LIVING CORNEA** *Levin L. Waters*

273 **EFFECTS OF DRUGS ON DIFFERENT TYPES OF SYNOVIAL INFLAMMATION IN THE RABBIT** *J. W. Hollingshead and H. T. Wepsic*

282 **THE FEVER INDEX IN EVALUATION OF THE COURSE OF INFECTIOUS DISEASES, WITH SPECIAL REFERENCE TO PNEUMOCOCCAL PNEUMONIA** *F. Robert Fekety, Jr. and Elvira McDaniel*

289 **BOOK REVIEWS**

FEBRUARY

303 **THE FEECT OF DIVALENT CATION DEPLETION ON PHAGOCYTOSIS OF STAPHYLOCOCCI** *Richard E. Bryant*

311 **AN EVALUATION OF DIETHYLSTILBESTROL AS AN INHIBITOR OF THE GROWTH OF STAPHYLOCOCCI** *William W. Yotis and Sudhaker I. Baman*

323 **DIETHYLSTIBESTROL: A SUPPRESSOR OF INDUCED FURUNCULOSIS IN RABBITS** *William W. Yotis and Sudhaker I. Baman*

333 **QUANTITATIVE ESTIMATES OF CHANGES IN SPLENIC SIZE DURING LIFE** *Richard P. Spencer and Tuhin K. Chaudhuri*

340 **SYSTEMS OF ZYMOGEN ACTIVATION** *J. Haskell Milstone*

352 **BOOK REVIEWS**

APRIL

363 **HYPERTENSION DUE TO ISCHEMIA OF ONE KIDNEY: A SURVEY OF TWENTY YEARS' EXPERIENCE** *John Eager Howard*

376 **COMPARISON OF ENDOGENOUS PYROGENS FROM HUMAN AND RABBIT LEUCOCYTES UTILIZING SEPHADEX FILTRATION** *Phyllis T. Bodel, Ann Wechsler, and Elisha Atkins*

388 **SODIUM- AND POTASSIUM-ACTIVATED ADENOSINE TRIPHOSPHATASE IN KIDNEYS OF *FUNDULUS HETEROCLITUS* ADAPTED TO FRESH AND SALT WATER** *Franklin H. Epstein, Andrzej Manitius, Edward Weinstein, Adrian I. Katz, and Grace E. Pickford*

394 **MICROCOLONIES (G-VARIANTS) OF *STAPHYLOCOCCUS AUREUS*** *Paul G. Quie*

404 **BOOK REVIEWS**

CONTENTS

JUNE

415 **ATTEMPTS TO DEMONSTRATE A HORMONAL NATRIURETIC FACTOR BY MICROPUNCTURE TECHNIQUES** *John P. Hayslett, Edward Weinstein, Michael Kashgarian, and Franklin H. Epstein*

422 **A CLINICAL METHOD FOR ESTIMATING THE RATE OF GROWTH OF A CANCER** *Alvan R. Feinstein*

434 **OBSERVATIONS ON INDOL-POSITIVE PROTEUS** *Alexander von Graevenitz and Harvey Spector*

446 **THE DEVELOPMENT OF SEXUAL DIMORPHISM IN TRANSPLANTED MOUSE PELVES** *F. S. Southwick and E. S. Crelin*

448 **SOME ASPECTS OF THE EVOLUTION OF VERTEBRATE ACID-BASE REGULATION** *Eugene D. Robin, Philip A. Bromberg, and Carroll E. Cross*

468 **BOOK REVIEWS**

476 **INDEX,** *Volume 41*